

INTERNATIONAL SEARCH REPORT

Intern'l Application No
PCT/GB2004/005173A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01R11/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01R G01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^o	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 4 644 320 A (CARR ET AL) 17 February 1987 (1987-02-17)</p> <p>figures 1,2,6,12-15 column 2, line 26 - column 3, line 41 column 5, line 37 - line 51 column 6, line 1 - line 44 column 7, line 26 - line 49 column 8, line 31 - line 34 column 9, line 3 - line 20</p> <p>-----</p> <p>-/-</p>	1-6,10, 11,13, 14, 19-23, 25-29, 31,32

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

o Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

5 April 2005

Date of mailing of the International search report

13/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Höller, H

INTERNATIONAL SEARCH REPORT

Intern	I Application No
PCT/GB2004/005173	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/025878 A (SIEMENS METERING, INC; JUNKER, JOHN, P; BURNS, GORDON, R) 27 March 2003 (2003-03-27) figures 1,3,4 page 1, paragraph 3 – paragraph 5 page 2, paragraph 2 page 5, paragraph 3 – paragraph 4 page 8, paragraph 2 page 10, paragraph 3 – page 11, paragraph 5 page 12, paragraph 2 – paragraph 5 page 15, paragraph 3 page 16, paragraph 3 – paragraph 4 page 19, paragraph 2 page 21, paragraph 1 – paragraph 2 -----	1,6-9, 12-25, 27-30
X	US 2003/193405 A1 (HUNT HUNTER L ET AL) 16 October 2003 (2003-10-16) figures 1,3,9,10,12 paragraph '0027! – paragraph '0030! paragraphs '0038!, '0039! -----	1,7-9, 13-25, 27-29
A	WO 00/33091 A (FORREST, ANDREW) 8 June 2000 (2000-06-08) figure 1 page 1, paragraph 1 page 2, paragraph 1 – page 4, paragraph 5 page 5, paragraph 3 – page 6, paragraph 1 -----	1-4,23
A	US 6 226 600 B1 (RODENBERG, III ERNEST A ET AL) 1 May 2001 (2001-05-01) figures 1-3 column 1, line 55 – column 2, line 30 column 3, line 6 – line 57 column 4, line 7 – line 27 -----	1,3,23
A	GB 2 302 952 A (* C & C TECHNOLOGY ENTERPRISES) 5 February 1997 (1997-02-05) figures 1,2,4,5 page 2, line 15 – line 19 page 6, line 2 – page 7, line 27 -----	1,10,11, 23,31,32

INTERNATIONAL SEARCH REPORT

Intern Application No
PCT/GB2004/005173

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4644320	A	17-02-1987	NONE		
WO 03025878	A	27-03-2003	CA	2460268 A1	27-03-2003
			EP	1435077 A2	07-07-2004
			WO	03025878 A2	27-03-2003
US 2003193405	A1	16-10-2003	NONE		
WO 0033091	A	08-06-2000	WO	0033091 A1	08-06-2000
			AU	1342699 A	19-06-2000
			EP	1051630 A1	15-11-2000
US 6226600	B1	01-05-2001	NONE		
GB 2302952	A	05-02-1997	NONE		